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Pantzer

UNIVERSITY OF MONTANA
LONG RANGE BUILDING PROGRAM
1969 to 1979



UNIVERSITY OF MONTANA
MISSOULA 59801 PHONE 243-0211

September 5, 1968

Montana University System
State Capitol
Helena, Montana 59601

Attention Mr. Marvin Holtz, Institution Planning Officer

Gentlemen:

The Long Range Building Program for the University of Montana is herewith transmitted. As you are aware, in most instances programing and architectural planning have not been accomplished since advanced planning money has not been available for such purposes. The cost estimates have been determined as a result of consultations with your office, Mr. Hauck's office, and other architectural representatives in the area.

Where federal funds are involved, there have been estimates for the amounts of money that might reasonably be expected from the various federal programs applied to the respective projects. These estimates have been tempered by counsel from your office as well as our recent experiences with National Science Foundation Title I, II, and III of the Higher Education Facilities Act, and others.

You will note that we have in many instances revised old estimates and have changed the priority of certain items suggested in the 1966 transmittal. The new estimates reflect an allowance for inflation.

Additional support data has been prepared on many of the projects listed and can be made available to you if you so desire.

Very truly yours,

Robert T. Pantzer, President

Revised

September 5, 1968

Ten Year Recap
LONG RANGE BUILDING PROGRAM
UNIVERSITY OF MONTANA

1969-71 BIENNIUM

PRIORITY	TITLE	ESTIMATED COST		
		State	Federal	Total
1	New Library, Phase I	2,465,000	1,135,000	3,600,000
2	Lodge Renovation	550,000	14,000	564,000 *
3	University Hall Renovation	845,000	none	845,000
3 4	Women's Center Renovation (Basement for Physical Therapy and Nursery)	200,000	10,000	210,000
4 5	General Utilities, Phase I	560,000		560,000
6	Theater Renovation	200,000		200,000
2 7	Miscellaneous Renovation Projects	300,000		300,000 *
2 8	Remodel Anthropology Department	36,000		36,000 *
7 9	Vehicle Storage Building	40,000		40,000
8 10	Skating Rink Renovation, Phase II Studio and Classrooms	200,000		200,000
9 11	Fire Preventive Facilities, Phase I	168,000		168,000
5 -	Pre planning - Univ. Hall	13,500		13,500
6 -	Pre plan - Univ. ^{Classroom} Lecture Hall	2,500		2,500
TOTAL				6,723,000
SELF-LIQUIDATING				
	Residence Hall (HR #3)			2,630,000
	Field House Addition and Renovation			2,200,000
	Research Building			770,000
	Health Service Renovation			440,000
				6,040,000

* - actual total \$886,000, but submitted as \$900,000 total

Ten Year Recap
LONG RANGE BUILDING PROGRAM
UNIVERSITY OF MONTANA

1971-73 BIENNIUM

PRIORITY	TITLE	ESTIMATED COST		
		State	Federal	Total
1	Library, Phase II	2,000,000	1,000,000	3,000,000
2	Science Complex, Phase II	2,800,000	1,000,000	3,800,000
3	General Utilities, Phase II	500,000		500,000
4	Animal Research Facilities	800,000	180,000	980,000
4a	Miscellaneous Renovation Projects			350,000
5	Forestry Building Renovation			530,000
6	Psychology Building Renovation			400,000
7	Chemistry Building Renovation, Phase I			765,000
8	Renovations for Fire Protection, Phase II			286,000
9	Equip Cold Rooms			45,000
TOTAL				10,656,000
SELF-LIQUIDATING				
	Residence Hall - 400 (HR #4)			2,900,000

Ten Year Recap
LONG RANGE BUILDING PROGRAM
UNIVERSITY OF MONTANA

1973-75 BIENNIUM

PRIORITY	TITLE	ESTIMATED COST		
		State	Federal	Total
1	Fine Arts Building			7,540,000
2	Physical Plant Shops, Phase II			390,000
3	General Classroom Building	1,600,000	800,000	2,400,000
4	Health & Physical Education Building			2,500,000
5	Law School Addition			840,000
6	Miscellaneous Renovation Projects			300,000
7	Geology Building Demolition			100,000
8	Campus Fire Station & Alarm System			420,000
9	Renovation for Fire Protection Phase III			<u>180,000</u>
			TOTAL	14,670,000
	SELF-LIQUIDATING			
	Parking Ramp -- 500 cars			2,200,000
	Married Student Housing - 100 Families			<u>1,550,000</u>
			TOTAL	3,750,000

Ten Year Recap
LONG RANGE BUILDING PROGRAM
UNIVERSITY OF MONTANA

1975-77 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE		
		State	Federal	Total
1	Chemistry Building Renovation, Phase II			350,000
2	Science Complex, Phase III	3,800,000	800,000	4,600,000
3	General Utilities, Phase III			600,000
4	Miscellaneous Renovation Projects			390,000
5	Old Library Renovation			1,500,000
6	Land Acquisition			600,000
7	Old Math Physics Building Demolition			<u>110,000</u>
			TOTAL	8,150,000
	SELF-LIQUIDATING			
	Field House Addition			2,900,000
	Residence Halls - 400 Students (HR#5)			3,500,000
	Teacher Training Swimming Pool			<u>270,000</u>
			TOTAL	6,670,000

1977-79 BIENNIUM

1	General Classroom Building			2,900,000
2	Music Building Addition			1,100,000
3	Miscellaneous Renovation Projects			<u>400,000</u>
			TOTAL	6,400,000
	SELF-LIQUIDATING			
	University Center Addition			2,400,000
	Residence Hall (400 Students)			<u>3,900,000</u>
			TOTAL	6,300,000

UNIVERSITY OF MONTANA, MISSOULA

1969-71 BIENNIIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
1	New Library, Phase I	\$ 3,600,000	\$ 1,135,000 Federal 2,465,000 State

DESCRIPTION

Continuing growth of the University's academic program, as well as its student and faculty population, have created pressures the present library building cannot meet. By present day standards and demands, it is deficient in both quantity and quality of seating space, cannot provide space for adequate shelving in an effective arrangement, and does not provide sufficient staff and service space. This makes it mandatory that an adequate library building be provided at the earliest possible date, since the situation worsens significantly each year. Thus, this building must have top priority on the UM campus if the University is to continue to grow in academic quality.

The building proposed will be the first of two phases of construction, and therefore, will not be a complete solution to the needs described above. It will provide two floors for improved and somewhat expanded shelving of the collection, and for increased and improved seating in a variety of arrangements, and for some of the up-to-date audio-visual and data processing features anticipated for the completed building. It will also permit a separate subject reference function, as a forerunner of the subject division service arrangement contemplated for the complete facility when available. The main floor will provide space for technical services, circulation and reserve functions, for an improved card catalog and bibliography arrangement, as well as administrative offices. Part of the book collection may have to be placed in storage in the present building, and some functions, such as the documents collection and Instructional Materials Service, will probably remain in the present building. If this occurs, there should be possible some improvement of space and arrangement, at the same time permitting other uses of the balance of the building for faculty offices, general services, classroom and seminar space.

The proposed building will serve the entire student body and faculty, repeatedly and at length. An anticipated enrollment of at least 10,000 by 1975, with a faculty of over 600, will require a collection of almost one million volumes at that time, the proposed phase of construction will not be adequate to that need, and will have to be augmented by completing the facility as soon as is feasible.

OCCUPANCY: September 1971

PROJECT TITLE Library BIENNium 1969-71

Land Acquisition	\$ <u>None</u>
Preliminary Expenses	
Site Survey	\$ <u>500</u>
Soil Testing	\$ <u>500</u>
Other	\$ <u>None</u>
Administrative & Legal Expenses	\$ <u>17,000</u>
Furnishings & Special Equipment	\$ <u>525,000</u>
Consultant Services	\$ <u>None</u>
Landscaping & Site Development	\$ <u>150,000</u>
Construction Cost	\$ <u>5,365,000</u>
A/E Services	\$ <u>292,000</u>
Contingencies	\$ <u>250,000</u>
 TOTAL PROJECT COST	 \$ <u>6,600,000</u>

Alternate Plan

PROJECT TITLE Library Phase I BIENNium 1969-71

Land Acquisition	\$ <u>None</u>
Preliminary Expenses	
Site Survey	\$ <u>500</u>
Soil Testing	\$ <u>500</u>
Other	\$ <u>None</u>
Administrative & Legal Expenses	\$ <u>12,000</u>
Furnishings & Special Equipment	\$ <u>350,000</u>
Consultant Services	\$ <u>None</u>
Landscaping & Site Development	\$ <u>50,000</u>
Construction Cost	\$ <u>2,880,000</u>
A/E Services	\$ <u>182,000</u>
Contingencies	\$ <u>125,000</u>
 TOTAL PROJECT COST	 \$ <u>3,600,000</u>

UNIVERSITY OF MONTANA, MISSOULA

1969-71 BIENNIIUM

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
2	Lodge Renovation	\$ 564,000	\$ 550,000 State 14,000 Federal

DESCRIPTION

The opening of the University Center in the fall of 1968 involves the moving of several offices and functions now in the Lodge to the new facility. All the offices and meeting rooms of the Associated Students of the University of Montana (ASUM) will be moved as well as the ASUM Bookstore. The University Center will also take over the serving of special luncheons for student and faculty groups, continuing education meetings, and various other groups. The Food Service in the Lodge will be responsible only for feeding students living in the residence halls on the western edge of the campus. The Food Service in the University Center will provide meal service for students living in the residence halls now on the eastern edge of the campus as well as for the new residence halls planned for that area within the next ten years. The "Grill", Food Service area for short order type meals, will also be transferred to the University Center. The offices of personnel involved in the management and operation of the Lodge and student recreation program will also be moved to the University Center. This all means that of the present operations in the Lodge, there will remain only the contract feeding of the residence hall students as mentioned. This results in availability of space for urgently needed University functions.

The plan is to shift the University Business Office, Registrar's Office, Admissions Office and Dean of Students Office from the present location in University Hall to the Lodge. About 50 employees will be involved in this move.

In addition to this, the Speech and Hearing Clinic, now located in the Student Health Center will be moved to the Lodge, thus allowing for critically needed additional space for the Student Health Service in its own building.

The moving of the offices and functions mentioned requires alterations and renovations particularly in partitioning, installation of adequate lighting, heating and ventilation, etc.

OCCUPANCY: The compressed space situation for administrative and faculty offices makes mandatory the completion of this project at the earliest possible moment. This should be accomplished no later than the summer of 1969.

PROJECT TITLE Lodge Renovation BIENNium 1969-71

Land Acquisition	\$ <u>None</u>
Preliminary Expenses	
Site Survey	\$ <u>500</u>
Soil Testing	\$ <u>None</u>
Other Moving	\$ <u>10,000</u>
Administrative & Legal Expenses	\$ <u>10,000</u>
Furnishings & Special Equipment	\$ <u>110,000</u>
Consultant Services	\$ <u>None</u>
Landscaping & Site Development	\$ <u>None</u>
Construction Cost	\$ <u>372,000</u>
A/E Services	\$ <u>40,920</u>
Contingencies	\$ <u>20,580</u>
 TOTAL PROJECT COST	 \$ <u>564,000</u>

UNIVERSITY OF MONTANA, MISSOULA

1969-71 BIENNIIUM

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
3	University Hall Renovation	\$ 845,000	State

DESCRIPTION

At the time University Hall is vacated by the Business Office, Registrar's Office, Admissions Office and Dean of Students Office, there will remain the President's office, the Graduate School office, the Information Service, and several rooms presently used as conference rooms. This old building, built in 1897, is a hodgepodge of office-type spaces and an archaic, virtually unusable auditorium area. The building is a landmark of the University and is architecturally unique and attractive with a structurally sound exterior wall. However, there is need for work in building an appropriate fire resistant interior structure for the building to replace the dangerous wooden system. Because of its extensive usable space, it is appropriate for the building to be renovated and altered for continued use for the functions mentioned above, along with a number of badly needed faculty and other administrative office areas. The alterations will involve partitioning, ventilation, heating, lighting, etc. plus structural improvement so the building will be usable for a number of years in a safe and efficient manner. Approximately 60 people would use this facility.

OCCUPANCY: This should be accomplished no later than the summer of 1969.

PROJECT TITLE University Hall BIENNium 1969-71

Renovation

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ 1,000

Soil Testing \$ 1,000

Other (moving and rental) \$ 25,000

Administrative & Legal Expenses \$ 10,000

Furnishings & Special Equipment \$ 63,000

Consultant Services \$ None

Landscaping & Site Development \$ None

Construction Cost \$ 638,528

A/E Services \$ 70,238

Contingencies \$ 36,234

TOTAL PROJECT COST \$ 845,000

PROJECT TITLE Women's Center BIENNIIUM 1969-71
Renovation (Basement)

Land Acquisition	\$ <u>None</u>
Preliminary Expenses	
Site Survey	\$ <u>None</u>
Soil Testing	\$ <u>None</u>
Other Moving	\$ <u>5,000</u>
Administrative & Legal Expenses	\$ <u>2,860</u>
Furnishings & Special Equipment	\$ <u>19,000</u>
Consultant Services	\$ <u>None</u>
Landscaping & Site Development	\$ <u>None</u>
Construction Cost	\$ <u>150,913</u>
A/E Services	\$ <u>16,600</u>
Contingencies	\$ <u>20,627</u>
 TOTAL PROJECT COST	 \$ <u>210,000</u>

UNIVERSITY OF MONTANA, MISSOULA

1969-71 BIENNIUM

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
5	General Utilities, Phase I	\$ 560,000	State

DESCRIPTION

With the building projects presently under construction and the others planned in the coming five-year period, the master utility system of the University is in dire need of extension and updating to provide adequate water lines, electricity, steam tunnels, storm and sanitary sewers, and allied utility services. The entire campus-wide utility program is planned to be accomplished in three phases between 1969 and 1979.

COMPLETION: September 1970

PROJECT TITLE General Utilities BIENNIIUM 1969-71

Phase I

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ None

Soil Testing \$ None

Other \$ None

Administrative & Legal Expenses \$ 10,000

Furnishings & Special Equipment \$ None

Consultant Services \$ None

Landscaping & Site Development \$ None

Construction Cost \$ 461,890

A/E Services \$ 46,189

Contingencies \$ 41,921

TOTAL PROJECT COST \$ 560,000

UNIVERSITY OF MONTANA, MISSOULA

1969-71 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
6	University Auditorium Renovation	\$ 200,000	State

DESCRIPTION

This facility, originally constructed as the University Theater has taken on greatly expanded functions having implications for the entire University program, such as general student body and faculty meetings, lecture and campus speaker programs, theatrical and musical performances, and large class meetings. Also, many organizations in the Missoula community have periodically rented this space for large gatherings. Missoula has had and will continue to have need for such usage because of the lack of a community center and thus this facility is providing an important public service.

The facility was built in 1935 and has had virtually no expenditures made for renovation since that time. There is a pressing need to renovate and improve the seating, lighting, and public lavatory facilities. The ventilation is grossly inadequate and needs extensive improvement.

COMPLETION: September 1, 1971

PROJECT TITLE Theater BIENNium 1969-71

Renovation

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ None

Soil Testing \$ None

Other Moving \$ 4,500

Administrative & Legal Expenses \$ 6,000

Furnishings & Special Equipment \$ 96,000

Consultant Services \$ None

Landscaping & Site Development \$ None

Construction Cost \$ 60,000

A/E Services \$ 17,600

Contingencies \$ 15,900

TOTAL PROJECT COST \$ 200,000

UNIVERSITY OF MONTANA, MISSOULA

1969-71 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
7	Miscellaneous Remodeling Projects	\$ 300,000	State

DESCRIPTION

These numerous small projects include such items as ventilation and heating improvements, sidewalk and roofing improvements, and minor renovations. There is also a need to conduct campus-wide surveys on parking facilities, traffic flow, and air conditioning facilities. These projects are all beyond normal maintenance, but under \$25,000.

COMPLETION: September 1, 1970

PROJECT TITLE Miscellaneous Renovation BIENNIUM 1969-71

Projects

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ None

Soil Testing \$ None

Other \$ None

Administrative & Legal Expenses \$ 11,000

Furnishings & Special Equipment \$ None

Consultant Services \$ None

Landscaping & Site Development \$ None

Construction Cost \$ 240,405

A/E Services \$ 26,445

Contingencies \$ 22,150

TOTAL PROJECT COST \$ 300,000

UNIVERSITY OF MONTANA, MISSOULA

1969-71 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
8	Remodel Anthropology Department	\$ 36,000	State

DESCRIPTION

Remodeling of the basement of the Liberal Arts Building is necessary to provide the Anthropology Department with badly needed classroom and storage space. The project would involve the subdivision of existing rooms by partitioning and the installation of adequate lighting, heating and ventilation. Some floor covering and painting would also be required. This facility would be used by all Anthropology students and faculty.

COMPLETION: September 1, 1970

PROJECT TITLE Remodel Anthropology BIENNIUM 1969-71

Department

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ None

Soil Testing \$ None

Other \$ None

Administrative & Legal Expenses \$ 600

Furnishings & Special Equipment \$ None

Consultant Services \$ None

Landscaping & Site Development \$ None

Construction Cost \$ 29,450

A/E Services \$ 3,240

Contingencies \$ 2,710

TOTAL PROJECT COST \$ 36,000

UNIVERSITY OF MONTANA, MISSOULA

1969-71 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
9	Vehicle Storage Building	\$ 40,000	State

DESCRIPTION

State vehicles purchased by the University of Montana and held in a vehicle pool are extensively used throughout the year in official business by administrative personnel and faculty. Presently such vehicles must be left out in the open throughout the year. In winter months, this creates many problems to make the vehicles operable at the time needed. The present condition results in extensive additional time spent by Physical Plant personnel in special efforts to get the cars started and cleaned of ice and snow. The obvious unnecessary deterioration of the vehicles results in unfortunate additional costs. It also results in early trade-in and premature procurement of replacement vehicles. The proposed new building would be mainly for the purpose of getting the vehicles out of the weather and under cover. The building is expected to be very basic and of the most economical construction.

COMPLETION: September 1, 1970

PROJECT TITLE Vehicle Storage BIENNIUM 1969-71

Building

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ 300

Soil Testing \$ None

Other \$ None

Administrative & Legal Expenses \$ 350

Furnishings & Special Equipment \$ None

Consultant Services \$ None

Landscaping & Site Development \$ None

Construction Cost \$ 33,550

A/E Services \$ 2,684

Contingencies \$ 3,116

TOTAL PROJECT COST \$ 40,000

UNIVERSITY OF MONTANA, MISSOULA

1969-71 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
10	Skating Rink Renovation, Phase II	\$ 200,000	State

DESCRIPTION

This project is necessary to complete the renovation of the skating rink and make it suitable for ceramics laboratory, studio, and classroom use. The rink is now enclosed, but has a dirt floor and no interior wall covering. The project would include installation of a floor, ceiling, partitions, wall covering, entrance doors, lighting and cabinets. Some laboratory equipment would be included and some painting done. Sidewalks and landscaping are necessary as well as a brick veneer covering for the exterior wall. The facility will be used by faculty and students from the Art Department.

COMPLETION: September 1, 1970

PROJECT TITLE Skating Rink Renovation BIENNIUM 1969-71
Phase II, Studio and
Classrooms

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ None

Soil Testing \$ None

Other \$ None

Administrative & Legal Expenses \$ 5,100

Furnishings & Special Equipment \$ 25,000

Consultant Services \$ None

Landscaping & Site Development \$ 15,000

Construction Cost \$ 120,200

A/E Services \$ 13,222

Contingencies \$ 21,478

TOTAL PROJECT COST \$ 200,000

UNIVERSITY OF MONTANA, MISSOULA

1969-71 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
11	Fire Preventive Facilities Phase I	\$ 168,000	State

DESCRIPTION

This is the first of a four-phase project to accomplish all the necessary improvements both large and small to upgrade existing facilities to meet the recommendations of the State Fire Marshal. This phase of the project includes the installation of an alarm system in all campus buildings and the installation of part of the 14-inch water main system designed to provide the necessary water for a fire fighting system.

COMPLETION: September 1, 1971

PROJECT TITLE Fire Preventive BIENNIUM 1969-71

Facilities, Phase I

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ None

Soil Testing \$ None

Other \$ None

Administrative & Legal Expenses \$ 5,100

Furnishings & Special Equipment \$ None

Consultant Services \$ None

Landscaping & Site Development \$ None

Construction Cost \$ 133,728

A/E Services \$ 13,373

Contingencies \$ 15,799

TOTAL PROJECT COST \$ 168,000

UNIVERSITY OF MONTANA, MISSOULA

1969-71 BIENNIUM

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
	High Rise #3	\$2,630,000	Self liquidating

DESCRIPTION

With a projected enrollment increase of over 2,000 students by 1971, the University will be in dire need of housing for these students. The proposed high rise dormitory would provide space for approximately 400 of these students. It would be situated just to the north and east of Aber Hall, thus allowing for easy access to the University Center and to the entire campus and is in keeping with the long range campus plan.

OCCUPANCY: Fall of 1971

PROJECT TITLE Residence Hall BIENNIIUM 1969-71

(High Rise #3)

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ 500

Soil Testing \$ 1,000

Other (interest) \$ 30,000

Administrative & Legal Expenses \$ 15,000

Furnishings & Special Equipment \$ 90,000

Consultant Services \$ None

Landscaping & Site Development \$ 24,000

Construction Cost \$ 2,244,000

A/E Services \$ 105,000

Contingencies \$ 120,500

TOTAL PROJECT COST \$ 2,630,000

UNIVERSITY OF MONTANA, MISSOULA

1969-71 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
	Field House Addition	\$2,200,000	Self liquidating

DESCRIPTION

As student enrollment continues to increase, the University is becoming hard pressed to provide adequate facilities for the physical education classes, intramural activities, and varsity sports program. These activities all require large group assembly areas which are presently in short supply and which will become even more scarce in the next few years as more and more students enroll. The Field House addition is necessary to enable the University to provide these programs with the required facilities.

The project would include installing a finished floor in the Field House as well as construction of the two-story addition on the east side of the Field House. This addition would contain a wrestling room, handball courts, locker room, office and classroom space, and a human performance research laboratory. The facility would be used by virtually all male students for physical education classes, recreation, intramurals, or varsity sports.

COMPLETION: September 1, 1970

PROJECT TITLE Field House BIENNIIUM 1969-71

Addition and Renovation

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ 500

Soil Testing \$ 1,000

Other \$ None

Administrative & Legal Expenses \$ 11,000

Furnishings & Special Equipment \$ 100,000

Consultant Services \$ None

Landscaping & Site Development \$ 150,000

Construction Cost \$ 1,756,300

A/E Services \$ 95,315

Contingencies \$ 85,885

TOTAL PROJECT COST \$ 2,200,000

UNIVERSITY OF MONTANA, MISSOULA

1969-71 BIENNIUM

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
	Research Building	\$ 770,000	Self-liquidating

DESCRIPTION

At the present time, adequate research facilities are almost totally lacking at the University of Montana, while the need for such facilities is rapidly expanding. More and more research projects are done each year in poorly lighted, cramped space. Many other projects must be turned down because of this lack of facilities. Because of the importance of research to a University and to the community, it is imperative that adequate research quarters be provided as soon as possible.

The proposed project is a new building which would be used exclusively for research projects. As one research project is finished it will be moved out and another project will take its place. The building will contain working space which would be flexible as to room sizes in order to meet the varying needs of different projects. Also involved would be the installation of equipment to provide easy access to water, gas, steam and other utilities.

OCCUPANCY: September 1970

PROJECT TITLE Research Building BIENNIIUM 1969-71

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ 500

Soil Testing \$ 500

Other (Moving) \$ 7,000

Administrative & Legal Expenses \$ 7,000

Furnishings & Special Equipment \$ 100,000

Consultant Services \$ None

Landscaping & Site Development \$ 70,000

Construction Cost \$ 525,000

A/E Services \$ 29,000

Contingencies \$ 31,000

TOTAL PROJECT COST \$ 770,000

UNIVERSITY OF MONTANA, MISSOULA

1969-71 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
	Health Service Building Renovation	\$ 440,000	Self-liquidating

DESCRIPTION

When the Speech Therapy program is moved from the Health Service building to its new quarters in the Lodge some badly needed space will be available to the Health Service. It is presently planned to renovate the space now occupied by Speech Therapy to make it suitable for use as examination, treatment, and emergency rooms. This will involve some partitioning and lighting as well as the installation of equipment. It is also planned to install a much needed elevator to better handle the transporting of emergency and other patients. This is a renovation of existing space in a building which is used by almost all students on campus and handles 40,000 patient visits per year.

OCCUPANCY: Fall 1971

PROJECT TITLE Health Service Building BIENNIUM 1969-71

Renovation

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ None

Soil Testing \$ None

Other (Move) \$ 7,000

Administrative & Legal Expenses \$ 7,000

Furnishings & Special Equipment \$ 80,000

Consultant Services \$ None

Landscaping & Site Development \$ 30,000

Construction Cost \$ 256,000

A/E Services \$ 28,000

Contingencies \$ 32,000

TOTAL PROJECT COST \$ 440,000

UNIVERSITY OF MONTANA, MISSOULA

1971-73 BIENNIAL

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
1	Library, Phase II	\$ 3,000,000	\$ 1,000,000 Federal 2,000,000 State

DESCRIPTION

The continuing growth of the University's academic program, as well as its student and faculty population, has placed increasing pressure on the University's present library facilities. Since an adequate library facility is essential to any institution of higher education, it becomes imperative that the University of Montana provide such a facility at the earliest possible date in order to provide more and better seating, space for effective shelf arrangement, and space for staff and library services.

The proposed construction will complete the library building as originally conceived, and thus will enable it to meet most of the needs indicated above. It will provide adequate space for both shelving and readers, in an improved and functional arrangement. This will permit the implementation of a full subject divisional service organization and will provide most of the originally anticipated internal expansion. It will enable fullest use of audio-visual and data-processing techniques as feasible and available at that time. The completion of the building by adding two floors to the main building and two subterranean floors under the mall will provide the space, facilities, and services necessary for the proper academic environment.

The completed building will more adequately serve the 10,000 students and 600 faculty anticipated by 1975, and the almost one million volumes expected by that date. Its occupation will permit full conversion of the present library building to general office or classroom use, thus helping to meet another urgent need.

OCCUPANCY: Fall of 1974

PROJECT TITLE Library Phase II BIENNIIUM 1971-73

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ None

Soil Testing \$ None

Other \$ None

Administrative & Legal Expenses \$ 5,000

Furnishings & Special Equipment \$ 175,000

Consultant Services \$ None

Landscaping & Site Development \$ 100,000

Construction Cost \$ 2,485,000

A/E Services \$ 110,000

Contingencies \$ 125,000

TOTAL PROJECT COST \$ 3,000,000

PROJECT TITLE Science Complex BIENNIIUM 1971-73

Phase II

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ 1,000

Soil Testing \$ 500

Other moving \$ 10,000

Administrative & Legal Expenses \$ 25,000

Furnishings & Special Equipment \$ 137,688

Consultant Services \$ None

Landscaping & Site Development \$ 120,000

Construction Cost \$ 3,169,512

A/E Services \$ 188,000

Contingencies \$ 148,300

TOTAL PROJECT COST \$ 3,800,000

UNIVERSITY OF MONTANA, MISSOULA

1971-73 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
3	General Utilities, Phase II	\$ 500,000	\$ 500,000 State

DESCRIPTION

With the building projects presently under construction and the others planned in the coming five-year period, the master utility system of the University is in dire need of extension and updating to provide adequate water lines, electricity, steam tunnels, storm and sanitary sewers, and allied utility services. This project is the second of three phases designed to accomplish the program by 1977.

COMPLETION: 1973

PROJECT TITLE General Utilities BIENNium 1971-73

Phase II

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ 1,000

Soil Testing \$ None

Other \$ None

Administrative & Legal Expenses \$ 10,000

Furnishings & Special Equipment \$ None

Consultant Services \$ None

Landscaping & Site Development \$ None

Construction Cost \$ 400,000

A/E Services \$ 40,000

Contingencies \$ 49,000

TOTAL PROJECT COST \$ 500,000

UNIVERSITY OF MONTANA, MISSOULA

1971-73 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
4	Animal Research Facilities	\$ 980,000	\$ 180,000 Federal 800,000 State

DESCRIPTION:

For both research activity and student instruction, the growing need for facilities within which to conduct investigations involving animal subject makes this facility a high priority in the University's capital building program. The departments of Chemistry, Microbiology, Psychology, Speech Pathology and Audiology, and the Cooperative Wildlife Research Unit presently have serious need for this facility.

Future requirements make even more necessary modern work areas for conducting experimentation and investigation involving the use of animals. Existing facilities on the campus are very limited and grossly inadequate. Specifically, the building will house animal colonies and the specialized space required to carry on research and instruction.

This building is sometimes termed "animal quarters", but actually contains preparation rooms, research rooms, breeding rooms, animal quarters, and allied areas. Most of these specialized rooms must be sound treated, light proofed, and controlled for temperature and humidity. Also, there must be sufficient air transfer to contain the animals and the experimenters for periods of indefinite duration. A strong degree of sound control is necessary for the research-experimentation rooms.

At the present time it is estimated that up to seventy faculty members, graduate students and technicians would make regular use of the building. Undergraduate instruction would presently involve between three and five hundred students. It is estimated that within five years the numbers mentioned will at least double.

OCCUPANCY: 1973

PROJECT TITLE Animal Research BIENNIIUM 1971-73

Facilities

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ 500

Soil Testing \$ 1,000

Other moving \$ 8,000

Administrative & Legal Expenses \$ 6,000

Furnishings & Special Equipment \$ 67,000

Consultant Services \$ None

Landscaping & Site Development \$ 85,000

Construction Cost \$ 672,000

A/E Services \$ 75,000

Contingencies \$ 65,500

TOTAL PROJECT COST \$ 980,000

UNIVERSITY OF MONTANA, MISSOULA

1971-73 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
4 a	Miscellaneous Remodeling Projects	\$ 350,000	

DESCRIPTION:

These numerous small projects include such items as ventilation and heating improvements, sidewalk and roofing improvements, and minor renovations. There is also a need to conduct campus-wide surveys on parking facilities, traffic flow, and air conditioning facilities. These projects are all beyond normal maintenance, but under \$25,000.

COMPLETION: September 1973

PROJECT TITLE Miscellaneous BIENNium 1971-73

Renovation

Projects

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ None

Soil Testing \$ None

Other \$ None

Administrative & Legal Expenses \$ 5,100

Furnishings & Special Equipment \$ None

Consultant Services \$ None

Landscaping & Site Development \$ None

Construction Cost \$ 289,000

A/E Services \$ 32,000

Contingencies \$ 23,900

TOTAL PROJECT COST \$ 350,000

UNIVERSITY OF MONTANA, MISSOULA

1971-73 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
5	Forestry Building Renovation	\$ 530,000	

DESCRIPTION

The Forestry Building, built in 1923, can no longer meet the need of our rapidly expanding School of Forestry. Besides the lack of space, there exists the problem of inadequate lighting and flooring. Extensive renovation of this facility is necessary in order for it to continue in use as a suitable classroom and office building. Such space is badly needed on the campus.

This would be a renovation of an existing building and would involve the installation of new lighting and flooring as well as other improvements.

The renovated facility will be used by approximately 50 faculty members and graduate assistants, as well as by approximately 600 undergraduate students.

OCCUPANCY: 1973

PROJECT TITLE Forestry BIENNium 1971-73

Building

Renovation

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ None

Soil Testing \$ None

Other moving \$ 9,000

Administrative & Legal Expenses \$ 6,100

Furnishings & Special Equipment \$ 40,000

Consultant Services \$ None

Landscaping & Site Development \$ None

Construction Cost \$ 391,356

A/E Services \$ 43,000

Contingencies \$ 40,544

TOTAL PROJECT COST \$ 530,000

UNIVERSITY OF MONTANA, MISSOULA

1971-73 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
6	Psychology Building Renovation	\$ 400,000	

DESCRIPTION

The Department of Psychology is housed in the old School of Law Building (previously the University's general library, built in 1908). The building requires extensive renovation to carry on the modern psychology program now being contemplated.

This is renovation of an existing building which is still a basically good structure.

The growing Psychology Department needs this facility at once because of its expanded program. It now offers a doctoral program and its undergraduate program is growing rapidly. Though the department is scheduled for space in the Science Complex building, it is probable that it will continue to utilize this old building if the same is renovated.

This building will be used by approximately thirty-five faculty members and graduate assistants by the time the renovation is completed, and also by no less than three hundred undergraduate students weekly.

OCCUPANCY: by January 1973

PROJECT TITLE	Psychology	BIENNIUM	1971-73
	Building		
	Renovation		
Land Acquisition		\$	None
Preliminary Expenses			
	Site Survey	\$	None
	Soil Testing	\$	None
	Other Moving	\$	8,000
Administrative & Legal Expenses		\$	5,600
Furnishings & Special Equipment		\$	30,000
Consultant Services		\$	None
Landscaping & Site Development		\$	None
Construction Cost		\$	293,824
A/E Services		\$	32,000
Contingencies		\$	30,576
TOTAL PROJECT COST		\$	400,000

UNIVERSITY OF MONTANA, MISSOULA

1971-73 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
7	Chemistry Building Renovation	\$ 765,000	

DESCRIPTION

The building which presently houses the Chemistry and Pharmacy Departments requires extensive renovation in order to make it suitable for continued use. When the Chemistry Department moves to the Science Complex, the Pharmacy Department now operating in cramped and inadequate quarters will use this building. It will also be used for general classroom purposes. It needs new flooring, new lighting, and various other improvements to make the rooms suitable for classrooms and pharmacy laboratories.

This would be a renovation of an existing building which is basically structurally sound.

The building will be used by approximately 50 faculty members and graduate assistants as well as by 300 - 500 undergraduate students weekly.

OCCUPANCY:

PROJECT TITLE Chemistry BIENNium 1971-73

Building

Renovation

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ None

Soil Testing \$ None

Other moving \$ 1,200

Administrative & Legal Expenses \$ 6,100

Furnishings & Special Equipment \$ 60,000

Consultant Services \$ None

Landscaping & Site Development \$ None

Construction Cost \$ 564,900

A/E Services \$ 62,000

Contingencies \$ 60,000

TOTAL PROJECT COST \$ 765,000

UNIVERSITY OF MONTANA, MISSOULA

1971-73 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
8	Fire Preventive Facilities Phase II	\$ 286,000	

DESCRIPTION

This project is the second phase of four phases designed to accomplish all the projects both large and small to upgrade existing facilities in order to meet the recommendations of the State Fire Marshal. Included are such projects as fire alarm systems, fire and smoke-proof door installation, fire escape installation, wiring improvements, and water system and hydrant improvements.

COMPLETION: 1973

PROJECT TITLE Renovations for BIENNIIUM 1971-73

Fire Protection

Phase II

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ None

Soil Testing \$ None

Other \$ None

Administrative & Legal Expenses \$ 6,100

Furnishings & Special Equipment \$ None

Consultant Services \$ None

Landscaping & Site Development \$ None

Construction Cost \$ 230,556

A/E Services \$ 23,100

Contingencies \$ 26,244

TOTAL PROJECT COST \$ 286,000

UNIVERSITY OF MONTANA, MISSOULA

1971-73 BIENNIUM

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
9	Equip Cold Room Health Science Building	\$ 45,000	

DESCRIPTION

This project involves the renovation of existing space in the Health Science Building to provide a laboratory with a controlled environment capability. The project includes the installation of equipment to control the heating, lighting, and air movement within the room. This type of facility is not presently available at the University and is badly needed for research, as well as classroom purposes.

OCCUPANCY: 1973

PROJECT TITLE Equip Cold Room BIENNIIUM 1971-73
(Health Science Building)

Land Acquisition	\$ <u>None</u>
Preliminary Expenses	
Site Survey	\$ <u>None</u>
Soil Testing	\$ <u>None</u>
Other	\$ <u>None</u>
Administrative & Legal Expenses	\$ <u>350</u>
Furnishings & Special Equipment	\$ <u>None</u>
Consultant Services	\$ <u>None</u>
Landscaping & Site Development	\$ <u>None</u>
Construction Cost	\$ <u>36,000</u>
A/E Services	\$ <u>3,700</u>
Contingencies	\$ <u>4,950</u>
 TOTAL PROJECT COST	 \$ <u>45,000</u>

UNIVERSITY OF MONTANA, MISSOULA

1971-73 BIENNium

<u>PRIORITY</u>	<u>TITLE</u>	<u>COST ESTIMATE</u>	<u>FINANCING</u>
	Residence Hall	\$ 2,900,000	Self liquidating

DESCRIPTION

As the student enrollment increases, so does the need for on-campus housing. Enrollment projections show that the University will not be able to meet the demand for on-campus housing five years from now with the present facilities. This project will provide space for approximately 400 students and will be essential if the University is to provide the necessary on-campus housing.

OCCUPANCY: September 1973

PROJECT TITLE Residence Hall BIENNIUM 1971-73
(HR #4 -- 400)

Land Acquisition \$ None

Preliminary Expenses

Site Survey \$ 500

Soil Testing \$ 1,000

Other (Interest) \$ 33,000

Administrative & Legal Expenses \$ 16,000

Furnishings & Special Equipment \$ 100,000

Consultant Services \$ None

Landscaping & Site Development \$ 32,000

Construction Cost \$ 2,468,000

A/E Services \$ 115,000

Contingencies \$ 134,500

TOTAL PROJECT COST \$ 2,900,000

LONG RANGE BUILDING PROGRAM

UNIVERSITY OF MONTANA, MISSOULA.

1969-1971 BIENNium

PRIORITY	TITLE	ESTIMATED COST		
		state	federal	total
1	New Library, Phase I	\$2,465,000	\$1,135,000	\$3,600,000
2	Misc. Renovation Projects	300,000	—	300,000
3	Fire Preventive Facilities	169,000	—	169,000
2	Lodge Renovation	550,000	14,000	564,000
4	General Utilities, Phase I	560,000	—	560,000
5	Pre Plan University Hall Renov	13,500	—	13,500 (845,000)
3	Pre Plan Women's Center Renov	200,000 3,500	—	3,500 (200,000)
86	Pre Plan Univ Auditorium Renov	2,500	—	2,500 (200,000)
92	Remodel Anthropology Dept	36,000	—	36,000
107	Vehicle Storage Bldg	40,000	—	40,000
N8	Skating Rink, Phase II	200,000	—	200,000
9	Fire Print	168 4,239,500	—	168,000